

Amendments to the Specification:

Please amend paragraphs [0011] and [0018] as follows:

[0011] Figure 1 depicts a high gain, broadband, directive active antenna system. This active antenna system consists of a pair of dipole probe elements (a) connected to a highly linear, balanced amplifier with large input impedance (b), and a tuned scatter-plate assembly (s[e]).

[0018] In the case of an active antenna system designed for broadband TV reception, such as the embodiment illustrated in Figure 1, the scatter-plate (s[e]) dimensions and proximity to the antenna subassembly (a) & (b) are chosen such that the antenna exhibits a minimum front to back directive ratio (F/B) of +8dB at High VHF and UHF frequencies. In this case, the overall length of the antenna probe element and amplifier subassembly is 22" and the 4.5" by 27" scatter-plate is located 3" from the center line of the antenna subassembly. It is possible to achieve similar directive properties at lower frequencies, such as Low VHF TV and FM radio channels, if the scatter-plate geometry is tuned appropriately for those frequencies.